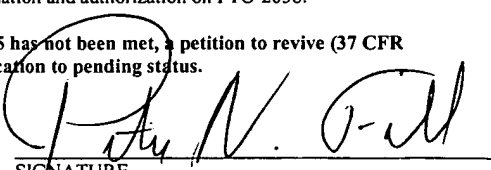


FORM PTO-1390 (REV 12-2001)		ATTORNEY DOCKET NUMBER 1592-4045
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.51) <b>10/511873</b>
INTERNATIONAL APPLICATION PCT/KR03/00768	INTERNATIONAL FILING DATE 16 April 2003	PRIORITY DATE CLAIMED 19 April 2002
TITLE OF INVENTION <b>LEAKY-WAVE DUAL POLARIZED SLOT TYPE ANTENNA</b>		
APPLICANT(S) FOR DO/EO/US <b>Bankov Sergey</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English translation of the International application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Items 11. to 20. below concern document(s) or information included.		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or Information:  PCT application as published (showing application as filed); International Search Report; Form PTO-1449 together with copies of the cited references; Form PCT/IB/306 Notification of the Recording of a Change (adding Bankov Sergey as Applicant/Inventor for U.S. and deleting Ji-Ho Ahn); and Form PCT/IB/306 Notification of the Recording of a Change (changing the address of Altech Corp., which is Applicant for all designated states except U.S.).</li> </ol>		

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.51) <b>10/511873</b>		INTERNATIONAL APPLICATION NO. PCT/KR03/00768		ATTORNEY'S DOCKET NO. 1592-4045					
21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE</b> (37 CFR 1.492 (a) (1) - (5) ): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO.....\$1,110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO...\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2) paid to USPTO.....\$790.00  International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33 (1) - (4).....\$750.00  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1) - (4).....\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT =				<b>CALCULATIONS PTO USE ONLY</b>          					
				\$1,110.00					
				Surcharge of \$130 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$0.00			
				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$0.00	
				Total claims	12 - 20 =	0	x \$18.00	\$0.00	
Independent claims	2 - 3 =	0	x \$88.00	\$0.00					
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+\$300.00	\$0.00				
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1,110.00					
Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).				\$555.00					
<b>SUBTOTAL =</b>				\$555.000					
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$0.00					
<b>TOTAL NATIONAL FEE =</b>				\$555.00					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$40.00					
<b>TOTAL FEES ENCLOSED</b>				\$595.00					
				<b>Amount to be refunded:</b>	\$				
				<b>charged</b>	\$				
a. <input checked="" type="checkbox"/> A check in the amount of \$595.00 to cover the above fees is enclosed.  b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.  c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-4500; Order No. 1592-4045. A duplicate copy of this sheet is enclosed.  d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.									
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.									
SEND ALL CORRESPONDENCE TO:  <b>MORGAN &amp; FINNEGAN, L.L.P.</b> 3 World Financial Center New York, NY 10281-2101 Telephone No. (212) 415-8700 Facsimile No. (212) 415-8701									
				 SIGNATURE  Peter N. Fill NAME  38,876 REGISTRATION NO.					

10/511873

DT01 Rec'd PCT/PTC 18 OCT 2004

Docket No. 1592-4045

IN THE UNITED STATES

☐ RECEIVING OFFICE (RO/US)  
☒ DESIGNATED OFFICE (DO/US)  
☒ ELECTED OFFICE (EO/US)

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/KR03/00768	16 April 2003	19 April 2002

TITLE OF INVENTION  
LEAKY-WAVE DUAL POLARIZED SLOT TYPE ANTENNA

APPLICANT(S)  
Bankov Sergey

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attention: DO/EO/US

**VERIFIED CERTIFICATION OF EXPRESS MAILING DATE  
(INTERNATIONAL APPLICATION (37 CFR 1.10(c)))**

I declare that on **October 18, 2004** I deposited with the United States Postal Service in an envelope "Express Mail, Post Office to Addressee", bearing Label Number **EV 498 829 020 US**, addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Attention DO/EO/US and having an express mail certification which I executed, the following papers:

1. Transmittal Letter to the U.S. Designated/Elected Office Concerning a Filing under 35 USC 371 - 2 pages (in dup)
2. PCT application as published with search report- WO 03/045064 A1 - 38 pages
3. Form PCT/IB/306 dated November 18, 2003 - 1 page
4. Form PCT/IB/306 dated May 28, 2004 - 1 page
5. Copy of executed Combined Declaration and Power of Attorney - 4 pages
6. Recordation Form Cover Sheet - 1 page (in duplicate)
7. Copy of executed Assignment of Application for Patent - 2 pages
8. Information Disclosure Statement - 3 pages (in duplicate)
9. PTO-1449 Form with copies of the cited references
10. Check for \$595.00 (filing and recordation fees)
11. Postcard for Receipt Acknowledgement

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Albert Isles

(Typed or printed name of person making this verified statement)

October 18, 2004

Date

(Signature of person making this verified statement)

(Verified Certification of Express Mailing Date (International Application) [13-12])